

Converting Colors

CIELCh(32, 14.283, 312.461)

Have a look what the booklet for
CIELCh(32, 14.283, 312.461)
contains.

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Color

CIELCh(32, 14.252, 312.451)

Conversions

Conversions Part 1

Format	Color
Hex	53475C
RGB	83, 71, 92
RGB Percent	33%, 28%, 36%
CMY	0.6752, 0.7222, 0.6399
CMYK	0.10, 0.23, 0.00, 0.64
HSL	274°, 13%, 32%
HSV	274°, 23%, 36%
XYZ	7.7179, 7.0852, 11.0448
YIQ	76.9820, 0.4110, 9.0750

Conversions

Conversions Part 2

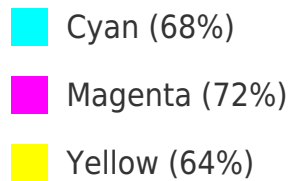
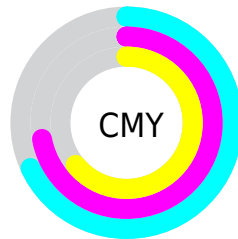
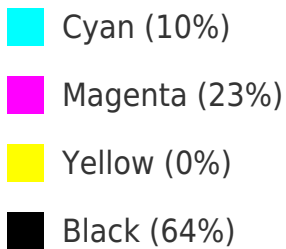
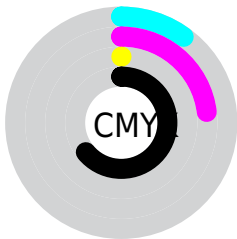
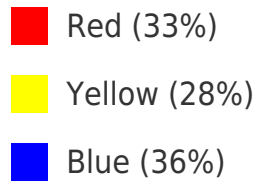
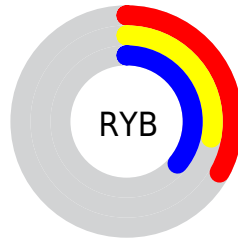
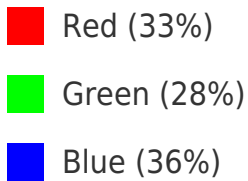
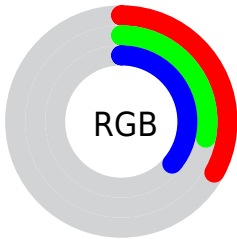
Format	Color
RYB	83, 71, 92
Decimal	5457756
CIELab	32.00, 9.62, -10.52
CIELCh	32, 14.252, 312.451
Yxy	7.0852, 0.2986, 0.2741
Android (android.graphics.Color)	4283647836 (0xFF53475C)
YUV	76.9820, 7.4039, 5.2778
Hunter-Lab	26.6180, 5.1747, -5.9692

Details

The CIELCh color $32, 14.252, 312.451$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $37, 13.910, 130.588$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 14.473, 313.434$, and $12, 13.804, 312.455$ is the 20% darker color. If you saturate the color by 10%, you get $29, 20.683, 312.894$, and if you desaturate by 10%, it is $35, 7.927, 312.021$.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 14.252, 312.451 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 32, 14.252, 312.451 by changing the saturation by 10% instead.


 32, 14.252,
312.451


 32, 14.252,
312.451

 100, 14.252,
312.451


 22, 14.252,
312.451

 52, 14.252,
312.451


 12, 14.252,
312.451


 62, 14.252,
312.451

 2, 14.252, 312.451

 72, 14.252,
312.451

 0, 14.252, 312.451

 82, 14.252,
312.451

 92, 14.252,
312.451

■ 32, 14.252,
312.451

■ 32, 14.252,
312.451

■ 29, 20.683,
312.894

■ 35, 7.927, 312.021

■ 38, 1.745, 311.586

■ 26, 27.164,
313.340

■ 41, 4.279, 131.282

■ 23, 33.595,
313.764

■ 44, 10.137,
130.935

■ 21, 39.822,
314.131

■ 47, 15.831,
130.628

■ 18, 45.619,
314.394

■ 50, 21.362,
130.354

■ 16, 50.682,
314.486


■ 53, 26.737,
130.110

■ 14, 54.808,
314.375

■ 56, 31.964,
129.894

■ 13, 57.915,

314.407

 60, 37.048,
129.704

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32, 14.252, 312.451



37, 13.910, 130.588

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32, 14.252, 312.451



32, 14.252, 2.451



32, 14.252, 132.451



32, 14.252, 182.451

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32, 14.251, 312.450



48, 5.338, 311.784



34, 8.194, 265.413



24, 3.497, 311.796



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32, 14.251, 312.450



40, 21.068, 312.671



33, 15.164, 327.475



17, 3.436, 311.852



16, 65.717, 314.167



40, 116.487, 313.466

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33, 10.793, 349.678



41, 15.947, 350.198



37, 15.147, 144.891



17, 2.600, 348.347



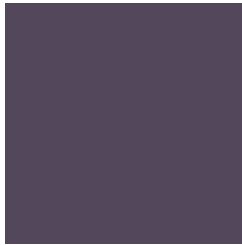
22, 45.337, 6.327



51, 80.053, 9.767

Previews

White Background



This preview shows how the CIELCh color 32, 14.252, 312.451 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 14.252, 312.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

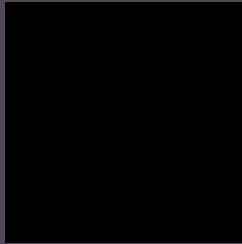
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 14.252, 312.451

Background



This preview shows how black text looks on a background with the CIELCh color 32, 14.252, 312.451.

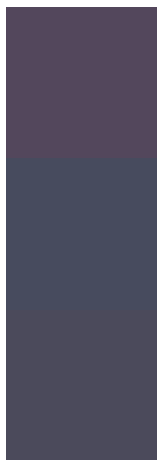


This preview shows how white text looks on a background with the CIELCh color 32, 14.252, 312.451.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32, 14.252, 312.451

Protanopia

32, 12.091, 284.892

Deuteranopia

32, 10.797, 294.200



Tritanopia
32, 5.167, 332.889

Trichromacy



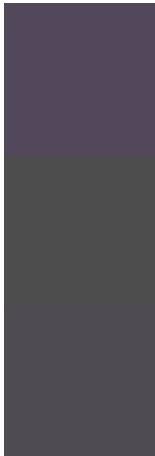
Original Color
32, 14.252, 312.451

Protanomaly
32, 12.743, 295.971

Deuteranomaly
32, 11.636, 302.162

Tritanomaly
32, 8.750, 320.378

Monochromacy



Original Color
32, 14.252, 312.451

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 4.767, 311.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 14.252, 312.451 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(83, 71, 92)` looks like.

```
.text, #text, p{  
    color:rgb(83, 71, 92)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(83, 71, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 71, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 14.252, 312.451 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(83, 71, 92) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(83, 71, 92) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(83, 71, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 71, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 71, 92);  
box-shadow:4px 4px 4px 4px rgb(83, 71, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 14.252, 312.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 71, 92) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(83, 71,  
92) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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